



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/738,396	12/17/2003	William E. Mazzara JR.	GP-304224 (2760/145)	7990

7590 10/09/2007  
General Motors Corporation  
Mail Code 482-C23-B21  
300 Renaissance Center  
P.O. Box 300  
Detroit, MI 48265-3000

EXAMINER
----------

VU, MICHAEL T

ART UNIT	PAPER NUMBER
----------	--------------

2617

MAIL DATE	DELIVERY MODE
-----------	---------------

10/09/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/738,396	<b>Applicant(s)</b> MAZZARA, WILLIAM E.	
	<b>Examiner</b> Michael Vu	<b>Art Unit</b> 2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 June 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☒ Claim(s) 20 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. In view of the Appeal Brief filed on June 25, 2007, PROSECUTION IS HEREBY REOPENED. A new ground of rejection set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

Art Unit: 2617

the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-4, 7-12, and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Odinak (US 2003/0078722) in view of Sonnenrein (US 2006/0095174).

Regarding **claims 1, 9, and 17**, Odinak teaches a method for operating a telematics unit (Figure #1, Telematic Control Unit #14) within a mobile vehicle (Figure #1, Vehicle #12) having a radio module (Figure #1, Radio Modules #26) comprising a radio module user interface [0017-0020] the method comprising:

**But Odinak does not clearly teach on** the receiving radio station information at the radio module; detecting an initiation command received from the radio module user interface; and providing the radio station information from the radio module to the telematics unit responsive to the detected initiation command.

However, Sonnenrein teaches a method and a device for a vehicle-related telematic service between the telematic terminal and the server. Both components are interconnected via a communication interface, in particular an air interface, using a mobile radio network, a radio module to ensure stable data transmission between the terminal and the server, further response in a data transmission, in which sending and receiving the transmitted commands that reads and detects the identification request and response (See Figures #1, and #2, User Interface/Module #4b, #7b, interfacing between User Terminal #4 and Server #7, [0013-0015, 0023-0034]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Odinak, such that the receiving radio station information at the radio module; detecting an initiation command received from the radio module user interface; and providing the radio station information from the radio module to the telematics unit responsive to the detected initiation command, to enhance and/or implement the data transmission between the vehicle terminal and a computer-based server of the service center via the communication network.

Regarding **claims 2 and 10**, Odinak/Sonnenrein teach a method of claim 1, further comprising receiving a communication command; and initiating a wireless communication via the telematics unit responsive to the received communication command [0013-0034] of Sonnenrein.

Regarding **claims 3 and 11**, Odinak/Sonnenrein teach a method of claim 2, further comprising: determining if the initiated wireless communication is connected; initiating wireless voice communication from a user interface when the initiated wireless communication is connected; terminating the wireless communication when the initiated wireless communication is not connected; and reinitializing the terminated wireless communication via the telematics unit responsive to the received communication command [0013-0034] of Sonnenrein.

Regarding **claims 4 and 12**, Odinak/Sonnenrein teach a method of claim 1, further comprising initiating a wireless communication via the telematics unit responsive to the detected initiation command [0013-0034] of Sonnenrein.

Regarding **claims 7 and 15**, Odinak/Sonnenrein teach a method of claim 1, wherein the radio module user interface is a voice activated user interface [0024-0034] of Sonnenrein.

Regarding **claim 8 and 16**, Odinak/Sonnenrein teach a method of claim 1, wherein the radio module user interface is manually operable push button user interface [0018-0019] of Odinak.

4. Claims 5 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Odinak/Sonnenrein, and further in view of Treyz (US 6,711,474).

Regarding **claims 5 and 13**, Odinak/Sonnenrein teach a method of claim 1, wherein the radio station information is selected from the group consisting of: radio station identification, radio station telephone number, one or more radio station messages, **but is silent on** alert data, government emergency alerts, weather alerts, sports scores and stock quotes;

However, Treyz teaches an automobile system is provided wirelessly interact with different servers have different services such as Internet Service such as weather, news, stock quotes etc. (C28, L35-65).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Odinak/Sonnenrein, such that one or more radio station messages, alert data such as traffic hotline reports, government emergency alerts, weather alerts, sports scores and stock quotes, to provide the flexibility of services while traveling.

5. Claims 6 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Odinak/Sonnenrein, and further in view of Fernandez.

Regarding **claims 6 and 14**, Odinak/Sonnenrein teach a method of claim 1, wherein the radio station information is **but Odinak/Sonnenrein is silent on** broadcast on a sub-carrier band.

However, Fernandez teaches a telematic method and Telematic communications systems including internet, digital video broadcast entertainment, digital audio broadcast, digital multimedia broadcast, global positioning system navigation, safety services, intelligent transportation systems, and/or universal mobile telecommunications system, and integrates the vehicle multimedia interfaces discussed below, in which including the interactive radio interface and the Software (302) can run the GPS navigation (601), additional telematic services (602), radio/TV (603) reception, phone (604), indoor wireless (605) system that can connect to PDA (610), **AM/FM digital audio broadcast/digital multimedia broadcast** (616), satellite digital video broadcast (617), global system for mobile communication/universal mobile telecommunications system (618), radar sensors (606), camera systems (607), audio digital signal processing (DPS) system (608), and CD/DVD (609), or each can maintain its own software (See [0008, 0033-0037, 0071-0079]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Odinak/Sonnenrein, such that wherein the radio station information is received at the interactive radio module via a sub-carrier band of a

radio signal, to integrate the system that allow user to operate the multiple task by using telematics and multimedia networks such as the units include the telematic components in the vehicle such as wireless internet, digital video broadcast entertainment, digital audio broadcast, digital multimedia broadcast, global positioning system navigation, safety services, intelligent transportation systems, and universal mobile telecommunications system.

6. Claims 18-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sonnenrein (US 2006/0095174) in view of Fernandez.

Regarding **claim 18**, Sonnenrein teaches a method for operating a telematics unit (Figure #2, Telematic Terminal #4) within a mobile vehicle [0001] having an interactive radio module (Figure #2, Radio Modules #4b, #7b, [0015]) comprising a radio module user interface (Figures #1, #2, [0013-0016]), the method comprising: receiving radio station information at the interactive radio module [0013-0016]; detecting an initiation command received from the interactive radio module user interface [0030-0035]; and providing the radio station information from the interactive radio module to the telematics unit responsive to the detected initiation command [0012-0034]

**But Sonnenrein does not clearly teach on** wherein the radio station information is received at the interactive radio module via a sub-carrier band of a radio signal.



However, Fernandez teaches a telematic method and Telematic communications systems including internet, digital video broadcast entertainment, digital audio broadcast, digital multimedia broadcast, global positioning system navigation, safety services, intelligent transportation systems, and/or universal mobile telecommunications system, and integrates the vehicle multimedia interfaces discussed below. The central processing unit (CPU) (300) with associated processor runs the software (302) for the vehicle (100). RAM (301) stores the software functions for execution by the microprocessor (304) to enable informational alerts to the user and user response commands. For example, GPS navigation (601) information that guides the user along a specific route in a GPS map is stored in the RAM (301) including the interactive radio interface and the Software (302) can run the GPS navigation (601), additional telematic services (602), radio/TV (603) reception, phone (604), indoor wireless (605) system that can connect to PDA (610), **AM/FM digital audio broadcast/digital multimedia broadcast** (616), satellite digital video broadcast (617), global system for mobile communication/universal mobile telecommunications system (618), radar sensors (606), camera systems (607), audio digital signal processing (DPS) system (608), and CD/DVD (609), or each can maintain its own software (See [0008, 0033-0037, 0071-0079]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sonnenrein, such that wherein the radio station information is received at the interactive radio module via a sub-carrier band of a radio signal, to integrate the system that allow user to operate the multiple task by using

telematics and multimedia networks such as the units include the telematic components in the vehicle such as wireless internet, digital video broadcast entertainment, digital audio broadcast, digital multimedia broadcast, global positioning system navigation, safety services, intelligent transportation systems, and universal mobile telecommunications system.

Regarding **claim 19**, Sonnenrein/Fernandez teach a method of claim 18 wherein the interactive radio module includes a visual user interface and physical user interface and is configured to receive commands from the physical user interface and store received radio station information [0013-0034] of Sonnenrein.

### ***Allowable Subject Matter***

7. Claim 20 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding **claim 20**, the method of claim 1 wherein the radio station information is received at the radio module via a sub-carrier band of a radio signal, and wherein the radio station information includes a radio station telephone number, and wherein the initiation command is received responsive to a radio station broadcast, and wherein the radio station telephone number is passed to the telematics unit via a communication bus responsive to the initiation command.

**Conclusion**

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Michael Vu  
Examiner

